

FIG. 2

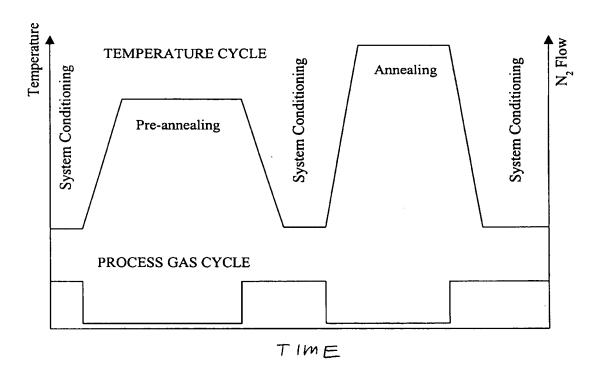


FIG. 3

## Patent Application for: Method for QAuantum Well Intermixing Using Pre-Annealing Enhanced Defects Diffusion

Inventor(s): Boon-Siew Ooi and Ruiyu Wang Attorney Docket No. 10095/29 and Serial No. Applied for

metal Contact Upper cladding 222 SCH Confinement layer 220 Barrier layer 204 GW layer Baller layer QW layer Burrier layer Qu layer <u>206</u> 226 Barrier layer Que layer Barrier layer Qu lujer Barrier layer SCH Confinement layer 218 212

Fig 4

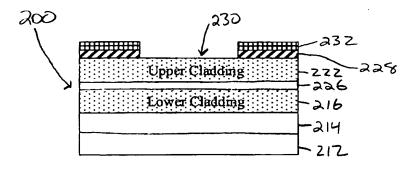


FIG 5 A

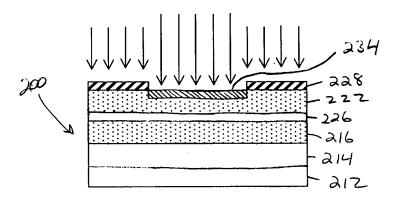


FIG 5B

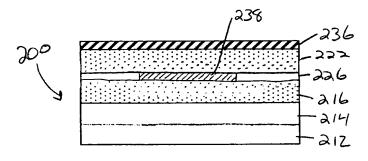


FIG 5 C

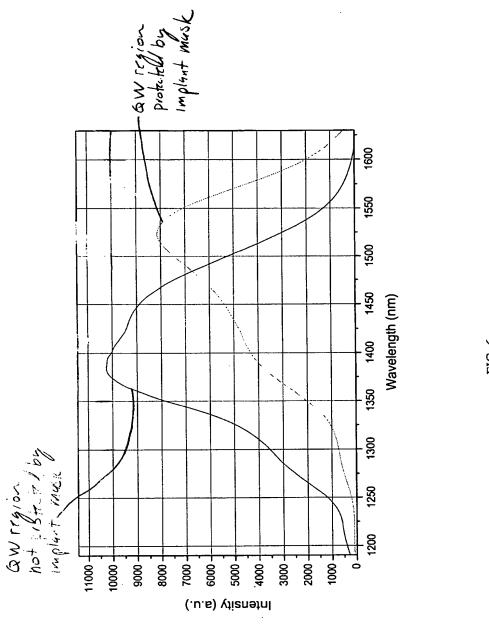


FIG.

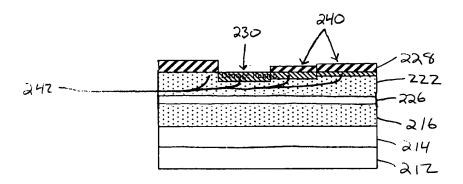


FIG 7A

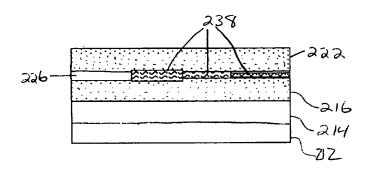


FIG 7B

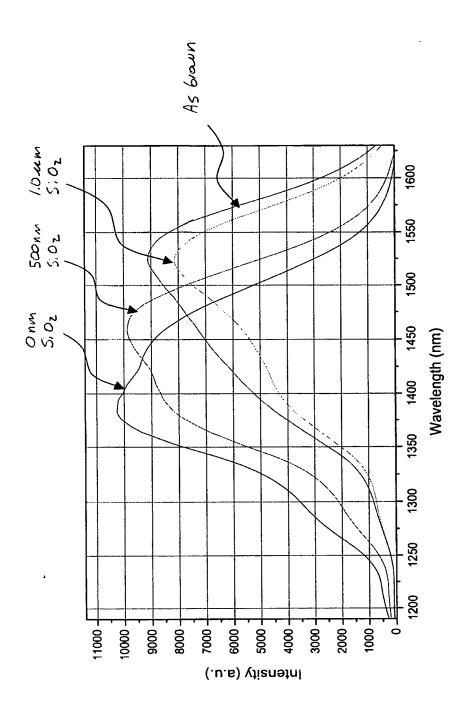


FIG. 8

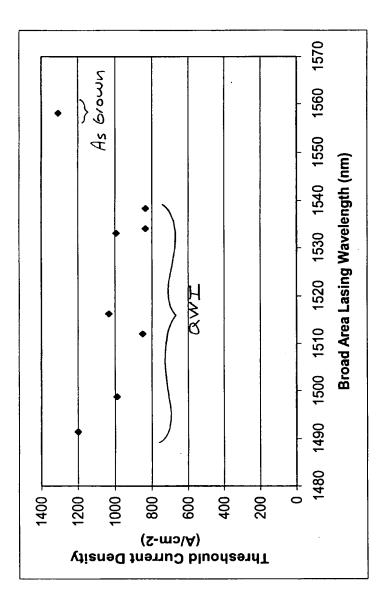


FIG. 9